

ABSTRACT OF THE DISCLOSURE

A spectral ellipsometer includes a light incident optical system for focusing a incidence spot of polarized light of multi-wavelengths onto a sample surface. A detecting optical system receives the reflected light influenced by the sample surface so that the amount of change in an elliptical polarization will be characteristic of the sample surface. A spherical prism polarizer is employed in the light incident optical system having complimentary curved light incident and light exit surfaces to enable the focusing of the incident light so that each of the ray traces of the range of wavelengths are focused at the same position on the sample surface.

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